

LAKE MICHIGAN

GRID SCALE FACTOR = 0.99991199
GRID DIST. DIVIDED BY GRID
SCALE FACTOR = GROUND DIST.

PROJECT DEPTH 23 FT. PROJECT DEPTH 21 FT.

C/S 14+97.83

31 33 35

C/L 0

34 36

SEAWALL

GRAND HAVEN STATE PARK

PLAYGROUND

PARKING

LAKE MICHIGAN

DATE OF PHOTOGRAPHY
IN JULY 1992

U.S. ARMY ENGINEER DISTRICT, DETROIT

GRAND HAVEN HARBOR, MICH.
CONDITION OF CHANNEL
AFTER DREDGING
JUNE 2004
GRAND HAVEN AREA OFFICE

SCALE 1" = 100'

23 FT. PROJECT DEPTH
21 FT. PROJECT DEPTH
CHANNEL LIMITS SHOWN THUS: _____
21 FT. CONTOUR SHOWN THUS: _____
23 FT. CONTOUR SHOWN THUS: _____

GRID SYSTEM BASED ON LAMBERT PROJECTION.
MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH
ZONE (2113) 1983 NORTH AMERICAN DATUM, U.S. FOOT.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS
THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED
AND CAN ONLY BE CONSIDERED AS INDICATING THE
GENERAL CONDITIONS EXISTING AT THAT TIME.

CHANNEL LINE T.P.			CENTER LINE T.P.		
T.P.	EAST X	NORTH Y	T.P.	EAST X	NORTH Y
A	12,618,412.21	573,435.73			
B	12,620,508.92	573,072.04			
C	12,620,579.46	573,378.09			
DD	12,618,374.87	573,129.62	C/L B-1	12,618,358.07	573,278.68
Z1	12,617,877.92	574,160.24	C/L D	12,619,845.64	573,446.33
W1	12,618,014.68	572,303.70	C/L E	12,620,544.18	573,525.06

NO.	DATE	REVISION	BY
<p align="center">U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN</p>			
DRAWN BY	<p align="center">GRAND HAVEN HARBOR, MICH. CONDITION OF CHANNEL AFTER DREDGING JUNE 2004 GRAND HAVEN AREA OFFICE</p>		
DESIGNED BY			
CHECKED BY			
REVIEWED			
SUBMITTER			
APPROVAL RECOMMENDED		DATE	
CHEF, OTS BRANCH	CHEF, CONST. & OPER. DIVISION	SCALE 1" = 100'	
APPROVED		<small>DO NOT WRITE IN THESE SPACES</small> DRAWING NUMBER	
LTLG, C.E. DISTRICT ENGINEER		SHEET 1 OF 4	